

CLAIMS

1. A microdispersion for use as such or for incorporation into compositions, said
5 microdispersion comprising at least one hydrogenated or partially hydrogenated, saturated or partially saturated membrane lipid with or without enzyme hydrolysis dispersed homogeneously in a substantially non aqueous and non volatile hydrophilic medium, optionally comprising biologically active compounds, excipients and preservatives.
- 10 2. Microdispersion according to claim 1, wherein the dispersed particles are below 1000 nm.
- 15 3. Microdispersion according to claim 1 or 2, wherein the dispersed particles include oil droplets comprising between 0 wt % to 40 wt % of at least one oil associated with at least one hydrogenated or partially hydrogenated membrane lipid with a particle size below 1000 nm z average diameter.
- 20 4. Microdispersion according to any one of claims 1 - 3, wherein the dispersed phase comprises 0.1 wt % to 50 wt % of the total components.
- 25 5. Microdispersion according to any one of claims 1 - 4, wherein the dispersed phase comprises between 0.01 wt % to 40 wt % of hydrogenated/saturated diacyl membrane lipids with at least 70 mol % of saturated fatty acids.
- 30 6. Microdispersion according to any one of claims 1 - 4, wherein the dispersed phase comprises between 0.01 wt % to 40 wt % mixture of hydrogenated/saturated diacyl and monoacyl membrane lipids with at least 70% of saturated fatty acids.
7. Microdispersion according to claim 5 and/or 6, wherein the hydrogenated membrane lipids are enzyme modified and comprise between 5 wt % to 90 wt % of monoacyl phosphatidylcholine.

8. Microdispersion according to any one of claims 1 - 7, wherein the non aqueous hydrophilic medium comprises between 10 wt % to 90 wt % of at least one non volatile liquid with boiling point above 40°C.

5 9. A method of preparing a microdispersion according to any one of claims 1 - 8, which comprises a step that involves dispersing at least one hydrogenated membrane lipid with or without enzyme modification in a substantially non aqueous hydrophilic medium by mixing above ambient temperatures in order to obtain dispersed particles below 1000 nm z average diameter.

10

10. Microdispersion according to any one of the preceding claims for incorporation into a topical composition.